

Please add the following new claims:

--24. (New) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

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- (a) a polynucleotide encoding amino acid residues 1 to 335 of SEQ ID  
NO:2;
- (b) a polynucleotide encoding amino acid residues 15 to 84 of SEQ ID  
NO:2;
- (c) a polynucleotide encoding amino acid residues 89 to 154 of SEQ ID  
NO:2;
- (d) a polynucleotide encoding amino acid residues 184 to 228 of SEQ ID  
NO:2;
- (e) a polynucleotide encoding amino acid residues 241 to 316 of SEQ ID  
NO:2;
- (f) a polynucleotide encoding amino acid residues 39 to 55 of SEQ ID  
NO:2;
- (g) a polynucleotide encoding amino acid residues 101 to 121 of SEQ ID  
NO:2;
- a'
- (h) a polynucleotide encoding amino acid residues 194 to 213 of SEQ ID  
NO:2;
- (i) a polynucleotide encoding amino acid residues 264 to 280 of SEQ ID  
NO:2;
- (j) a polynucleotide encoding amino acid residues 241 to 335 of SEQ ID  
NO:2; and

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(k) a polynucleotide complementary to any polynucleotide (a) through (j), above.

25. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (a).

26. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (b).

27. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (c).

28. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (d).

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29. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (e).

30. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (f).

31. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (g).

32. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (h).

33. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide is (i).

34. (New) The isolated nucleic acid molecule of claim 24 wherein the polynucleotide further comprises a heterologous polynucleotide.

35. (New) The isolated nucleic acid molecule of claim 34 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

36. (New) The isolated nucleic acid molecule of claim 35 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

37. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 24.

38. (New) The recombinant vector of claim 37 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

39. (New) A method of producing a recombinant vector comprising inserting the isolated nucleic acid molecule of claim 24 into a vector.

40. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 24.

41. (New) The recombinant host cell of claim 40 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

42. (New) A recombinant host cell comprising the recombinant vector of claim 37.

43. (New) A method of producing a host cell comprising transducing, transforming or transfecting a host cell with the vector of claim 37.

44. (New) A method for producing a protein, comprising:

- (a) culturing the host cell of claim 40 under conditions suitable to produce a polypeptide encoded by the nucleic acid molecule; and
- (b) recovering the protein from the cell culture.

45. (New) A composition comprising the polynucleotide of claim 24 and a pharmaceutically acceptable carrier.

46. (New) An isolated nucleic acid molecule comprising a first polynucleotide 90% or more identical to a second polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acid residues 1 to 335 of SEQ ID

NO:2;

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- (b) a polynucleotide encoding amino acid residues 15 to 84 of SEQ ID NO:2;
- (c) a polynucleotide encoding amino acid residues 89 to 154 of SEQ ID NO:2; and
- (d) a polynucleotide encoding amino acid residues 241 to 335 of SEQ ID NO:2.

47. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 90% or more identical to a second polynucleotide encoding amino acid residues 1 to 335 of SEQ ID NO:2.

48. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 90% or more identical to a second polynucleotide encoding amino acid residues 15 to 84 of SEQ ID NO:2.

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49. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 90% or more identical to a second polynucleotide encoding amino acid residues 89 to 154 of SEQ ID NO:2.

50. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 90% or more identical to a second polynucleotide encoding amino acid residues 241 to 316 of SEQ ID NO:2.

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51. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 95% or more identical to a second polynucleotide encoding amino acid residues 1 to 335 of SEQ ID NO:2.

52. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 95% or more identical to a second polynucleotide encoding amino acid residues 15 to 84 of SEQ ID NO:2.

53. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 95% or more identical to a second polynucleotide encoding amino acid residues 89 to 154 of SEQ ID NO:2.

54. (New) The isolated nucleic acid molecule of claim 46 which further comprises a first polynucleotide 95% or more identical to a second polynucleotide encoding amino acid residues 241 to 316 of SEQ ID NO:2.

55. (New) The isolated nucleic acid molecule of claim 46 wherein the polynucleotide further comprises a heterologous polynucleotide.

56. (New) The isolated nucleic acid molecule of claim 55 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

57. (New) The isolated nucleic acid molecule of claim 56 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

58. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 46.

59. (New) The recombinant vector of claim 58 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

60. (New) A method of producing a recombinant vector comprising inserting the isolated nucleic acid molecule of claim 46 into a vector.

61. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 46.

62. (New) The recombinant host cell of claim 61 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

63. (New) A recombinant host cell comprising the recombinant vector of claim 58.

64. (New) A method of producing a host cell comprising transducing, transforming or transfecting a host cell with the vector of claim 58.

65. (New) A method for producing a protein, comprising:

(a) culturing the host cell of claim 61 under conditions suitable to produce a polypeptide encoded by the nucleic acid molecule; and

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(b) recovering the protein from the cell culture.

66. (New) A composition comprising the polynucleotide of claim 46 and a pharmaceutically acceptable carrier.

67. (New) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding amino acid residues m to 343 of SEQ ID NO:2, where m is an integer from 2 to 338;

(b) a polynucleotide encoding amino acid residues 1 to n of SEQ ID NO:2, where n is an integer from 6 to 342; and

(c) a polynucleotide encoding amino acid residues m to n of SEQ ID NO:2, where m is an integer from 2 to 338 and n is an integer in the range of 6 to 342.

68. (New) The isolated nucleic acid molecule of claim 67, wherein said polynucleotide is (a).

69. (New) The isolated nucleic acid molecule of claim 67, wherein said polynucleotide is (b).

70. (New) The isolated nucleic acid molecule of claim 67, wherein said polynucleotide is (c).



71. (New) The isolated nucleic acid molecule of claim 68, wherein said polynucleotide encodes amino acid residues 183 to 343 of SEQ ID NO:2.

72. (New) The isolated nucleic acid molecule of claim 69, wherein said polynucleotide encodes amino acid residues 1 to 155 of SEQ ID NO:2.

73. (New) The isolated nucleic acid molecule of claim 70, wherein said polynucleotide encodes amino acid residues 88 to 228 of SEQ ID NO:2.

74. (New) The isolated nucleic acid molecule of claim 67 wherein the polynucleotide further comprises a heterologous polynucleotide.

75. (New) The isolated nucleic acid molecule of claim 74 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

76. (New) The isolated nucleic acid molecule of claim 75 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

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77. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 67.

78. (New) The recombinant vector of claim 77 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

79. (New) A method of producing a recombinant vector comprising inserting the isolated nucleic acid molecule of claim 67 into a vector.

80. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 67.

81. (New) The recombinant host cell of claim 80 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

82. (New) A recombinant host cell comprising the recombinant vector of claim 77.

83. (New) A method of producing a host cell comprising transducing, transforming or transfecting a host cell with the vector of claim 77.

84. (New) A method for producing a protein, comprising:

(a) culturing the host cell of claim 80 under conditions suitable to produce a polypeptide encoded by the nucleic acid molecule; and

(b) recovering the protein from the cell culture.

85. (New) A composition comprising the polynucleotide of claim 67 and a pharmaceutically acceptable carrier.

86. (New) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acid residues 5 to 17 of SEQ ID  
NO:2;
- (b) a polynucleotide encoding amino acid residues 21 to 30 of SEQ ID  
NO:2;
- (c) a polynucleotide encoding amino acid residues 37 to 45 of SEQ ID  
NO:2;
- (d) a polynucleotide encoding amino acid residues 152 to 170 of SEQ ID  
NO:2;
- (e) a polynucleotide encoding amino acid residues 213 to 221 of SEQ ID  
NO:2;
- (f) a polynucleotide encoding amino acid residues 260 to 268 of SEQ ID  
NO:2; and
- (g) a polynucleotide encoding amino acid residues 312 to 320 of SEQ ID  
NO:2.

87. (New) The isolated nucleic acid molecule of claim 86, wherein said  
polynucleotide is (a).

88. (New) The isolated nucleic acid molecule of claim 86, wherein said  
polynucleotide is (b).

89. (New) The isolated nucleic acid molecule of claim 86, wherein said  
polynucleotide is (c).

90. (New) The isolated nucleic acid molecule of claim 86, wherein said polynucleotide is (d).

91. (New) The isolated nucleic acid molecule of claim 86, wherein said polynucleotide is (e).

92. (New) The isolated nucleic acid molecule of claim 86, wherein said polynucleotide is (f).

93. (New) The isolated nucleic acid molecule of claim 86, wherein said polynucleotide is (g).

94. (New) The isolated nucleic acid molecule of claim 86 wherein the polynucleotide further comprises a heterologous polynucleotide.

95. (New) The isolated nucleic acid molecule of claim 94 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

96. (New) The isolated nucleic acid molecule of claim 95 wherein the heterologous polypeptide is the Fc domain of immunoglobulin.

97. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 86.

98. (New) The recombinant vector of claim 97 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

99. (New) A method of producing a recombinant vector comprising inserting the isolated nucleic acid molecule of claim 86 into a vector.

100. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 86.

101. (New) The recombinant host cell of claim 100 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

102. (New) A recombinant host cell comprising the recombinant vector of claim 97.

103. (New) A method of producing a host cell comprising transducing, transforming or transfecting a host cell with the vector of claim 97.

104. (New) A method for producing a protein, comprising:

(a) culturing the host cell of claim 100 under conditions suitable to produce a polypeptide encoded by the nucleic acid molecule; and

(b) recovering the protein from the cell culture.